AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1 - 16. (Canceled)

17. (Currently Amended) An apparatus that is capable of georeferencing a raster map, comprising:

means for providing for display of a first map in a first area of a display;

means for providing for display of a second map in a second area of the display that is separate from the first area of the display, the first map being a digital raster map, and the second map being a previously georeferenced map, the first and second maps covering substantially the same geographic area when they are displayed;

means for ~~receiving an entry identifying~~ marking a first point pair on the display, one point being on each map;

means for ~~receiving an entry identifying~~ marking a second point pair on the display, one point being on each map, the corresponding points of the point pairs having the same geographic location on each map;

means for assigning to the points on the first map a longitude coordinate and a latitude coordinate which are identical to the longitude coordinate and latitude coordinate of their corresponding points on the second map; and

means for computing a georeferencing function based on pixel coordinates of the first point of each point pair and geographic coordinates of the second point of each point pair.

18. (Previously Presented) An apparatus as in claim 17, wherein the points of the point pairs comprise marks on the first map at respective locations and marks on the second map at corresponding locations.

19. (Previously Presented) An apparatus as in claim 17, wherein:

more than two point pairs are identified and are used to compute the georeferencing function pursuant to a transformation technique, and

which further comprises means for executing a validation check of the georeferencing function pursuant to a standard deviation technique.

20. (Previously Presented) An apparatus as in claim 19 wherein the means for executing a validation check is further capable of rejecting a point pair when the point pair deviates by an amount exceeding a predetermined standard error.

21. (Currently Amended) An apparatus as in claim 19, wherein:

~~at least three points are identified and are used to compute~~ the georeferencing function is computed pursuant to a general linear transformation.

22. (Currently Amended) An apparatus as in claim 19, wherein:

~~at least two points are identified and are used to compute~~ the georeferencing function is computed pursuant to a general rotational linear transformation.

23. (Currently Amended) A system for georeferencing a digital raster map, comprising:

a processing platform for executing code capable of georeferencing a digital raster map; and

a storage platform coupled to the processing platform for storing at least a digital raster map, the storage platform comprising

facilities for providing for display of a first map in a first area of a display;

facilities for providing for display of a second map in a second area of the display that is separate from the first area of the display, the first map being a digital raster map, and the second map being a previously georeferenced map, the first and second maps covering substantially the same geographic area when they are displayed;

facilities for ~~receiving an entry identifying~~ marking a first point pair on the display, one point being on each map;

facilities for ~~receiving an entry identifying~~ marking a second point pair on the display, one point being on each map, the corresponding points of the point pairs having the same geographic location on each map;

facilities for assigning to the points on the first map a longitude coordinate and a latitude coordinate which is identical to the longitude coordinate and latitude coordinate of their corresponding points on the second map; and

facilities for computing a georeferencing function based on pixel coordinates of the first point of each point pair and geographic coordinates of the second point of each point pair.